ACS MODING ACTIVATION AND CHECKOUT

1. <u>VERIFY NCS CDH COMMAND CAPABILITY AND AVAILABILITY</u>

PCS   MCS: ACS Moding

         | ACS Moding |
         'C&DH'

         √Major State/MDM ID Primary NCS   - Primary/N1-2
         √ACS Moding Application Status Primary NCS   - Init/Ena
         √Major State/MDM ID Secondary NCS   - Sec/N1-1
         √ACS Moding Application Status Secondary NCS - Init/Ena

2. <u>NCS ACS MODING ROLE CONFIGURATION</u>
         'ACS Configuration'

<div style="border:1px solid black; padding:8px;">

<u>NOTE</u>

1. Moding the NCS software to FULL allows the NCS MDMs to monitor both sets of PMA docking sensors.

2. The following Partial indication is a 2A known display error and actually indicates a Moding Role of Full.

3. Commanding of Primary NCS Moding Role to Full requires command to be sent from Secondary NCS Moding Role command button. Commanding of Secondary NCS Moding Role requires a similar command from the Primary NCS Moding Role command button.

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     sel Moding Role Primary NCS - Command
     cmd Arm **Execute**
   √Moding Role Arm Primary NCS - X

     sel Moding Role Secondary NCS - Command
     cmd Arm **Execute**
   √Moding Role Arm Secondary NCS - X

     sel Moding Role Primary NCS - Command
     cmd Full **Execute**
   √Moding Role Secondary NCS - Partial
   √Moding Role Arm Secondary NCS - Blank

     sel Moding Role Secondary NCS - Command
     cmd Full **Execute**
   √Moding Role Primary NCS - Partial
   √Moding Role Arm Primary NCS - Blank

```
*****************************************************************************
*  If Primary/Secondary NCS Moding Role Arm is not Blank (Off), *
*    or the need to set the Mode Role has been deferred, then the *
*     following command should be sent                         *
*                                                              *
*      sel   Moding Role Primary, Secondary NCS - Command     *
*      cmd Disarm  Execute                                    *
*      √Moding Role Arm Primary, Secondary NCS - Blank        *
*****************************************************************************
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PCS   MCS: ACS Moding
            | ACS Moding |
            'ACS Configuration'

            √LED Control SW Primary NCS - Inh
            √LED Control SW Secondary NCS - Inh

            √PMA2 LED State Primary NCS - Off
            √PMA2 LED State Secondary NCS - Off

            √PMA3 LED State Primary NCS - Off
            √PMA3 LED State Secondary NCS - Off

3. <u>PMA 2 AND 3 ARRIVAL SOFTWARE DEFAULT VERIFICATION</u>

<u>NOTE</u>
1. This section verifies the default values of the NCS ACS software after MDM activation.
2. The hardware signals on the "ACS Moding HW Signals" page should be verified according to the current docked configuration - this check is not explicitly called out as a procedural step.

    'Arrival'

    √PMA2 Arrival Response SW Arm Primary NCS - Blank
    √PMA2 Arrival Response SW Primary NCS - Inh

    √PMA2 Arrival Response SW Arm Secondary NCS - Blank
    √PMA2 Arrival Response SW Secondary NCS - Inh

    √PMA3 Arrival Response SW Arm Primary NCS - Blank
    √PMA3 Arrival Response SW Primary NCS - Inh

    √PMA3 Arrival Response SW Arm Secondary NCS - Blank
    √PMA3 Arrival Response SW Secondary NCS - Inh

    √Arrival Event Primary NCS - Blank
    √Arrival Event Secondary NCS - Blank

4. <u>PMA 2 AND 3 DEPARTURE SOFTWARE DEFAULT VERIFICATION</u>

PCS   MCS: ACS Moding
          | ACS Moding |
           'Departure'

           √PMA2 Departure Response SW Arm Primary NCS - Blank
           √PMA2 Departure Response SW Primary NCS - Inh

           √PMA2 Departure Response SW Arm Secondary NCS - Blank
           √PMA2 Departure Response SW Secondary NCS - Inh

           √PMA3 Departure Response SW Arm Primary NCS - Blank
           √PMA3 Departure Response SW Primary NCS - Inh

           √PMA3 Departure Response SW Arm Secondary NCS - Blank
           √PMA3 Departure Response SW Secondary NCS - Inh

           √Departure Event Primary NCS - Blank
           √Departure Event Secondary NCS - Blank

5. <u>VERIFY RUSSIAN SEGMENT MODE STATUS</u>

           √**MCC-H** has attained confirmation that NCS is monitoring the proper RS
             signals (i.e., FGB or SM) (pending data dump of buffer information,
             2A - FGB)

            'ACS Configuration'

           √RS Mode Primary, Secondary NCS - Drift

PCS   FGB: MCS
          | FGB: MCS |

           √GNC State - Drift

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           │   <u>NOTE</u>   │
           │ If RS State/Mode is BLANK then, confirmation of RS systems │
           │ status should be completed via voice communications.   │
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